

YEVTEYEVA, P. M.

Lomonosov, Mikhail ~~V~~asil Yevich, 1711-1765

Session of the Section of Chemical Sciences of the Academy of Sciences of the U.S.S.R.  
dedicated to the 220th anniversary of Lomonosov's birth. Zhur. prikl. khin. 25 No  
4, April, 1952.

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED

YEVTEYEV, T. I.

ARBUZOV, A.Ye., akademik; KAZANSKIY, B.A., akademik; PETROV, A.D., chlen-korrespondent AN SSSR; NIKITIN, N.I., chlen-korrespondent AN SSSR; FIGUROVSKIY, N.A., professor, otvetstvennyy redaktor; POGODIN, S.A., professor; ZVYAGINTSEV, O.Ye., professor; YEVTEYeva, P.M., uchenyy sekretar'.

[Materials on the history of Soviet chemistry; reports given at the 2nd All-Union Conference on the History of Soviet Chemistry, 21-26 April 1951]  
Materialy po istorii otechestvennoi khimii; sbornik dokladov na vtorom Vsesoiusnom soveshchanii po istorii otechestvennoi khimii, 21-26 aprelia 1951 g. Moskva, Izd-vo Akademii nauk SSSR, 1953. 318 p. (MLRA 7:4)  
(Chemistry-History)

YEVTEYEVA, P., kand.khim.nauk

"Works of the board of the All-Union Chemical Society of  
Kharkov Province." Reviewed by P. Evteeva. MTO no.4:57  
Ap '59. (MIRA 12:6)  
(Kharkov--Chemical research)

YEVTEYEVA, P.M.

~~A.E. Chichibabin. Trudy inst. ist. est. i tekh. 18:296-356 '58.~~  
(MIRA 11:10)

(Chichibabin, Aleksei Evgen'evich 1871-1945)

YEVTEYEVA, Z.V. (Moskva).

School and industry. Khim.v shkole 11 no.6:60-62 K-D '56.  
(Chemistry--Study and teaching)

Y  
O  
\*The Use of [High-Frequency] Dielectric Drying in Precision  
Casting. P. I. Evtiseev (*Litinoe Proizvodstvo*, 1953, (5),  
19-20).—[In Russian]. Drying of moulds by H.F. currents  
is described. The method presents special advantages in  
drying moulds  $> 600 \times 600 \times 500$  mm. The time required  
to reduce the moisture content from 12 to 0.3% was cut  
from 5 hr. to 20-60 min. by using frequencies of 5-10 Mc./s.  
Drying temp. was 130° C. After drying it was possible to  
start firing of the moulds at 600°-700° C. and to decrease  
the firing time from 18 to 4 hr. The moulds produced by  
this method were of high quality and so were the castings  
made in them.—S. K. L.

YEVTEFEYEV, P. I.

YEVTEFEYEV, P. I. --"Investigation of Stored Energy in Electric Spot Welding Processes. Investigation of Welding Processes When Using the Stored Energy of the Electric Field." \*(Dissertations for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions) Min of Higher Education USSR, Leningrad Polytechnic Inst imeni M. I. Kalinin, Leningrad, 1955

SO: Knizhnaya Letopis', No. 25, 18 Jun 55

\* For Degree of Candidate in Technical Sciences

YEVTFEYEV, P.I., kand.tekhn.nauk

Butt welding of 0,3-0,6 mm wire of IKh18N9T steel. Svar.prcizv.  
no.4:20-21 Ap '64. (MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrosvarochnogo  
oborudovaniya.

SOV/135-59-1-9/18

AUTHOR: Yevtifeyev, P.I., Candidate of Technical Sciences

TITLE: Butt Welding by a High Voltage Capacitor Discharge on the Parts to be Welded (Stykovaya svarka razryadom vysokovol'tnykh kondensatorov na svaryemyye detali)

PERIODICAL: Svarochnoye proizvodstvo, 1959, Nr 1, pp 28-31  
(USSR)

ABSTRACT: Information is given on butt welding of copper with copper, aluminum with aluminum and aluminum with copper wires of 1.6-5 mm in diameter by a capacitor discharge, ensuring a mechanical strength of the weld joints, equal to the base metal strength. The weld joints have no pores, cavities, cracks or impurities, and a minimum heat affected zone. Optimum parameters of the process are given. To obtain high quality joints, flat face working, ensuring parallel surfaces, is imperative. The described method can be used for joining dissimilar

Card 1/2

SOV/135-59-1-9/18

Butt Welding by a High Voltage Capacitor Discharge on the Parts  
to be Welded

non-ferrous metals and alloys. There are 4  
tables, 2 sets of microphotos, 1 diagram, 2  
graphs, 1 oscillogram and 2 references, 1 of  
which is Soviet and 1 English.

ASSOCIATION: VNIIESO

Card 2/2

YEVTEFEYEV, P.I.

Using the method of "melting into a ball" by condenser discharges  
in welding. Priborostroenie no.4:18-19 Ap '59.

(MIRA 12:5)

(Electric welding)

SOV/110-59-5-14/25

AUTHOR: Yevtifeyev, P. I., Candidate of Technical Sciences

TITLE: The Use of Capacitors in Impulse Electric Welding Machines (Primeneniye kondensatorov v impul'snykh elektrosvarochnykh mashinakh)

PERIODICAL: Vestnik elektropromyshlennosti, 1959, Nr 5, pp 49-52 (USSR)

ABSTRACT: Capacitor impulse welders are produced in the USSR for spot, butt and seam welding of thin parts. The power capacitors are an important factor in the cost and size of such welders. The characteristics of impulse welders types MTK-2 and TKM-4, and also of a new type MTK-2 machine with 1000 V capacitors instead of 500 V, are given in table 1. The changes in cost of various parts of the machine when the capacitor voltage is raised from 500 V to 1000 V are seen in table 2, showing that the change in output of 63 W-sec to 250 W-sec involves a price increase from 2476 to 4228 rubles. The cost data in table 2 relate to available types of capacitor which are not well suited to electric welding machine requirements. If special capacitors were designed they could be made much smaller and more cheaply. The advantages of using 1000 V

Card 1/3

SOV/110-59-5-14/25

**The Use of Capacitors in Impulse Electric Welding Machines**

capacitors in these machines are then considered; for many types of work such machines are far better than ordinary a.c. machines. The weight and cost related to 1 W-sec for different types of capacitors used in impulse welding machines are given in table 3.

Available electrolytic capacitors are relatively cheap but being polar they are not well suited to the oscillatory conditions that arise in impulse welding machines. Available types of oil-impregnated paper-insulated impulse capacitors are expensive, though their size could be reduced by using chlorinated hydrocarbons or castor oil as impregnant. A disadvantage of oil/paper capacitors is that they hold a remanent charge and may thus become dangerous to operators. Metallised-paper capacitors would be well suited to the work but are not available in adequate current ratings. It is concluded that as no capacitors really suited to impulse welding duty are available they should be developed forthwith. Non-polar electrolytic, metallised-paper and paper/oil types are all required; the latter should be impregnated with castor oil or chlorinated hydrocarbons. Capacitors

Card 2/3

SOV/110-59-5-14/25

The Use of Capacitors in Impulse Electric Welding Machines

for use with welding machines should be able to operate continuously with an ambient temperature of -35 to +50°C; electrolytic types should be suitable for charging voltages of 80 and 500 V; for paper and metallised-paper types the figure should be 1000 V. The capacitances required at different voltages are enumerated. There are 3 tables and 3 Soviet references.

SUBMITTED: 5th January 1959

Card 3/3

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S/119/61/000/010/004/008

D209/D303

AUTHOR:

Yevtifev, P.I., Candidate of Technical Sciences

TITLE:

New methods of welding by "fusion into globule" by means of  
capacitor discharge

PERIODICAL:

Priborostroyeniye, no. 10, 1961, 14 - 17

TEXT: The author describes the construction and operation of fusion welding tools and the design of the electrical power supply circuit. If one of the leads of a series of charged capacitors connected in parallel is connected to a carbon electrode and the other lead to two metal pieces to be welded, and both ends are brought near each other, an arc discharge will take place fusing the ends of the two parts into a globule shaped junction. An indirect method involves two carbon electrodes and metal pieces to be welded placed in the path of the arc. The welding arrangement is depicted in Fig. 2. where bloc I represents the electrical circuit and bloc II the welding instrument.  $\text{f1}$  is a change-over switch (from charge to discharge). The direct action welding instrument consists of a pair of pliers having an

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29332

S/119/61/000/010/004/008

D209/D303

New methods of welding by ...

asbesto-cement tube mounted on its axis. A spring-loaded graphite-ended electrode is located in the tube coaxially with the ends of the metals to be welded. The electrode, which is movable is insulated from the pliers. The welding operation requires one hand only. The indirect arc action welding instrument consists of a cylindrical rod made of two conducting plates insulated from each other and forming two electrodes. One end of the assembly has a spherical cavity where the ends of the metals to be welded are inserted. This instrument is very useful for welding metals in inaccessible places. The arc discharge takes place in the spherical cavity of the instrument without being seen by the operator. The ends of the instrument are usually made of graphite, tungsten or molybdenum which prevents adhesion to the welded metals. In order to prevent deformation of the junction by the electrode during the time when the ends of the welded metals are molten, an electrode travel limiter is used in the direct arc action instrument. This enables an increase of speed of electrode movement from 0.01 m/sec (without the limiter) to 4 m/sec. The capacitor charging voltage normally used ranges from 80 to 1000 volts. Long-life electrolytic capacitors are used. In order to obtain the desired quality of discharge an addition

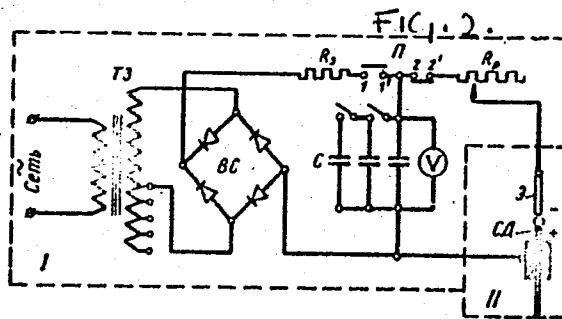
X

Card 2/ 3

New methods of welding by ...

29332  
S/119/61/000/010/004/008  
D209/D303

of a choke or a 1 - 3 resistor in the discharging circuit is recommended, so that  $R > 2\sqrt{L/C}$ , where R, L and C are the resistance, inductance and capacitance of the discharging circuit respectively. There are 7 figures and 4 Soviet-bloc references.



Card 3/3

YEVTFIYEV, Petr Ivanovich; ALEKSEYEV, A.A., prof., retsenzent;  
RYZHIK, Z.M., inzh., red.; GOFMAN, Ye.K., red. izd-va;  
SPERANSKAYA, O.V., tekhn. red.

[Butt welding of metals in the manufacture of instruments]  
Stykovaya svarka metallov v priborostroenii. Moskva, Mash-  
giz, 1963. 132 p. (MIRA 16:7)  
(Instruments manufacture) (Electric welding)

BR

ACCESSION NR: AP4029385

5/0135/64/000/004/0020/0021

AUTHOR: Yevtifev, P. I. (Candidate of technical sciences)

TITLE: Butt welding of 1Kh18N9T steel wire with a diameter of 0.3 to 0.6 mm

SOURCE: Svarochnoye proizvodstvo, no. 4, 1964, 20-21

TOPIC/TAGS: 1Kh18N9T steel, steel wire, butt welding, flash welding, resistance welding, austenite steel

ABSTRACT: As a part of the author's investigation, he was required to produce joints with a minimum loss and maintain high durability. Comparisons and examination of flash and resistance welding were made; the results are given in graphs. It was found that flash welding produces the better results in joint strength, stability, and external appearance of the butt. In flash welding, requirements for preparing and sintering the wire ends may be lowered; this greatly affects production.

Orig. art. has: 3 figures and 2 tables.

ASSOCIATION: VNIIESO

Confidential

YEVTFEEYEV, Petr Ivanovich, kand. tekhn. nauk; POLISHCHUK, G.V.,  
red.

[Modern equipment for resistance welding of parts in the  
manufacture of instruments] Sovremennoe oborudovanie  
kontaktnoi svarki detalei v priborostroenii. Leningrad,  
1965. 25 p. (MIRA 18:7)

YEVTIKHIYEV, Anatoliy Leonidovich, inzh.; YASTREBOV, A.L., inzh.,  
nauchnyy red.; REYZ, M.B., red. izd-va; CHERKASSKAYA, F.T.,  
tekhn. red.

[Preparatory operations in construction under the conditions of the  
Far North; from the experience of Noril'sk] Raboty nulevogo tsikla  
na stroitel'stve v usloviakh Krainego Severa; iz opyta Noril'ska.  
Leningrad, Gosstroizdat, 1962. 105 p. (MIRA 15:6)  
(Russia, Northern—Building)

TIMOSHININ, V.D.; YEVTEIKHIYEV, B.Ya.; KACHURO, I.M.; RABINOVICH, A.,  
redaktor; STEPANOVA, N., tekhnicheskiy redaktor

[Sugar beet growing in White Russia] Vozdelyvanie sakharnoi sverkly  
v Belorussii. Minsk, Gos. izd-vo BSSR, 1956. 243 p. (MIRA 10:4)  
(White Russia--Sugar beets)

DEM'YANENKO, Vasiliy Nikolayevich; YEVTIKHIYEV, I.I., prof., otv.red.;  
ZHARIKOV, Yu.G., red.; SHCHEDRINA, N.L., tekhn.red.

[Forms and methods of collective farm supervision by the district  
executive committee] Formy i metody rukovodstva kolkhozami so  
storony raiispolkoma. Otv.red. I.I.Evtikhiev. Moskva, Gos.izd-vo  
iurid.lit-ry, 1960. 91 p. (MIRA 13:7)  
(Agricultural administration) (Collective farms)

IPYTFYEV A.N., YEVTIKHEVICH, V.G.

Changes in the seeds of hybrids of various plants. Dokl. AN BSSR  
9 no. 8:547-549 Ag '65. (MIRA 18:10)

1. Belorusskiy gosudarstvennyy universitet imeni V.I.Lenina.

SIMOTOVA, Ye.N.; VOBETSKIY, M.F.; LOGINOV, Yu.N.; YEVTIKHEYEV, L.N.

Exchange of phenyl groups in organomercury and organomagnesium  
compounds. Radiokhimiia 1 no.6:687-690 '59.

(MIRA 13:4)

(Mercury organic compounds) (Magnesium organic compounds)  
(Carbon--Isotopes)

EVTIKHEYEV, N.

1. STEPANENKO, V.; EVTIKHEYEV, N.; KIRYUSHKIN, N., Eng.
2. USSR (600)
4. Machine-Tractor Stations
7. Utilizing all possibilities for increasing yeild, MTS, 13, no. 4, 1953.
  
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

L 00008-66 Ext (1)/ENP(v)/ENP(k)/ENP(h)/ENP(1)

ACCESSION NO. 425-1844

UR/0271/65/000/002/A035/A035

621.398.694

I

SOURCE: Ref. zh. Avtomatika, te mekhanika i vychislitel'naya tekhnika.  
Svodnyy tom, Abs. 2A208

AUTHOR: Levin, M. I.; Semko, Yu. I.; Semenov, V. F.; Solodov, Yu. S.;  
Yevtikhiev, N. N.; Mozheyko, A. A.

TITLE: Measuring units of the "Tsentrtekhnika" system

CITED SOURCE: Tr. Mosk. energ. in-ta, vyp. 52, 1963, 133-146

TOPIC TAGS: supervisory control system / Tsentrtekhnika system

TRANSLATION: Measuring units are described of the "Tsentrtekhnika" supervisory control system. The system is designed for operation with several types of thermocouple sensors, resistance thermometers, and differential-transformer sensors. For each type, special measuring units have been developed which connect the sensor output with the nonelectric measurands and convert them into a binary digital code. Each measuring unit is constructed as a separate adapter which includes all measuring elements. By means of a special plug-and-socket

Card 1/2

L 00008-66

ACCESSION NR: AR5008446

device, the adapters are connected to the system circuit. All measuring units convert the deviation of the measurand from its normal value into a digital code. The measured difference between the present and the normal values is converted into the code by means of a developing discrete transformation. Special individual settings are used to obtain signals corresponding to normal values. Figs. 8.

Bibl. 4.

SUB CODE: IE

ENCL: 00

Card 2/2

YEVTIKHIN, V.F., inzh.

Calculations for large-diameter steel pipe with stiffening rings.  
Izv. ASIA no.4:85-89 '61. (MIRA 16:11)

VAYNBERG, G.D., inzh.; YEVTIKHIN, V.F., kand. tekhn. nauk; KAZAKOV, I.V., inzh.; KAL'NITSKIY, A.A., kand. tekhn. nauk; NIKOLAYEV, N.A., kand.tekhn.nauk, nauchn. red.

[Asbestos cement elements in rural construction for residential, cultural, and industrial buildings] Asbestotsementnye konstruktsii v sel'skom stroitel'stve dlia zhilykh, kul'turno-bytovykh i proizvodstvennykh zdanii. [By] G.D.Vainberg i dr. Moskva, Stroizdat, 1965. 63 p. (MIRA 18:3)

YEVTIKHINA, Z.F., KUNINA, O.V., LEVYANT M.I., ORKHOVICH V.N.,  
FIRFAROVA K.F., KHOKHLOVA O.S., CHERNIKOV M.P.,

(USSR)

"Tissue Proteinases in Spleen, Kidneys, Liver, Brain, and  
Certain Forms of Transplanted Tumours."

Report presented at the 5th Int'l Biochemistry Congress;  
Moscow, 10-16 Aug. 1961

ZAYTSEVA, N.N.; Prinimali uchastiye: MYASOYEDOVA, K.N., studentka;  
YEVTIKHINA, Z.F., studentka; RODIONOVA, N.P., studentka

Oxidative phosphorylation in the tissues of the skeletal  
muscles in experimental vitamin E deficiency. Vop. med.  
khim. 7 no.3:313-319 My-Je '61. (MIRA 15:3)

1. Chair of Animal Biochemistry, the "M.V. Lomonosov"  
Moscow State University.

(MUSCLE)  
(PHOSPHORYLATION)  
(TOCOPHEROL)

CHERNIKOV, M.P.; YEVTIKHINA, Z.F. (Moskva)

Proteinases in animal tissues. Usp. sovr.biol. 57 no.1:50-70. Ja-  
(MIRA 17:5)  
F '64.

YEVTIKHINA, Z.F.; OREKHOVICH, V.N.; SHPIKITER, V.O.

Purification and some properties of highly active cathepsin  
from the spleen. Vop. med. khim. 9 no.6:626-633 N-D '63.  
(MIRA 17:10)  
1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR, Moskva.

YEVTIKHIY, P.F.

Five years with the "zero" ball. Put' i put. khoz. no.3:24-26 Mr '58.  
(MIRA 11:4)

1. Brigadir puti Darnitsa - Grebenka, stantsiya Darnitsa Yugo-  
Zapadnoy dorogi.  
(Railroads--Maintenance and repair)

YEVTIKHIYEV, IVAN IVANOVICH

N/5  
105.2  
.Y4

Administrativnoye Pravo SSSR; Uchebnik Dlya Juridicheskikh Institutov i Fakul'tetov (Administrative Law of the USSR: A Textbook..., By) I. I. Yevtikhiev i V. A. VLASOV. Moskva, Gosyurizdat, 1946.

430 P.

At Head of Title: Moscow. Vsesoyuznyy Institut Juridicheskikh Nauk.

YEVTIKHIYEV, N. N.:

Yevtikhiyev, N. N.: "Investigation of the maximum possible correction of a vibrating oscillograph." Min Higher Education USSR. Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov. Moscow, 1956. (Dissertation for the Degree of Candidate in Technical Science)

SO: Knizhnaya letopis', No 27, 1956. Moscow. Pages 94-109; 111.

YEVTIKHIYEV, N.N.

New circuit of a d.c. regulator. Izm.tekh. no.10:39-40 O '61.  
(MIRA 14:11)

(Voltage regulators)

YEVTIKHIYEV, N.N.

D.c. amplifier. Izm. tekhn. no.8:30-32 Ag '65. (MIRA 18:9)

FRDOTOV, F.G.; YEVTEKHIV, P.I. [deceased]; LYASHKO, I.F., inshener,  
retsenzent; BOKOV, A.I., retsenzent; NEISMELOV, V.A., retsenzent;  
KABANOV, N.Ya., redaktor; POPOLOV, Ya.N., redaktor izdatel'stva;  
UVAROVA, A.F., tekhnicheskiy redaktor

[Technical standardization of duplicating and photocopying work]  
Tekhnicheskoe normirovanie kopiroval'nykh i svetokopiroval'nykh  
rabot. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry,  
1956. 86 p. (MLRA 9:10)  
(Copying processes)

YEVTIKHIYEVA, Ye.P.

Transformation of trophic ulcers into malignant tumors. Sov.med.  
22 no.11:90-93 N'58 (MIRA 11:11)

1. Iz gospital'noy khirurgicheskoy kliniki (dir. - deystvitel'nyy  
chlen AMN SSSR prof. B.V. Petrovskiy) I Moskovskogo ordena Lenina  
meditsinskogo instituta imeni I.M. Sechenova.

(SKIN DISEASES, compl.  
cancer after trophic ulcers (Rus))  
(SKIN NEOPLASMS, etiol. & pathogen.  
trophic skin ulcers (Rus))

YEVTIKHIYeva, Ye.P.

Problem of a migratory spleen. Nov.khir.arkh. no.3:111  
My-Je '59. (MIRA 12:10)

1. Hospital'naya khirurgicheskaya klinika 1-go Moskovskogo  
meditsinskogo instituta.  
(SPLEEN--ABNORMITIES AND DEFORMITIES)

YEVTIKHNEV, YE. N.

Translation from: Referativnyy Zhurnal, Elektrotekhnika, 1957,  
Nr 2, p. 171 (USSR) 112-2-3702D

AUTHOR: Yevtikhnev, Ye. N.

TITLE: Research on Maximum Possible Corrections of a Vibrator  
Element Oscillograph (Issledovaniye predel'nykh  
vozmozhnostey korrektsii vibratornogo ostsillografa)

ABSTRACT: Bibliographic entry on the author's dissertation for the  
degree of Candidate of Technical Sciences, presented to  
the Moscow Power Engineering Institute (Mosk. energ. in-t),  
Moscow, 1956.

ASSOCIATION: Moscow Power Engineering Institute (Mosk. energ. in-t)

Card 1/1

S/685/61/000/000/004/004  
D205/D301

AUTHORS:

Prosvirin, V.I. and Yevtikhov, G.V.

TITLE:

Influence of high-temperature heating of cold-worked metal on its structure and properties

SOURCE:

Akademiya nauk Latviyskoy SSR. Institut avtomatiki i mehaniki. Prevrashcheniya v splavakh i vzaimodeystviye faz. Riga, 1961, 151 - 161

TEXT: This investigation was sponsored by the Riga Railroad-Car Works. In constructing the electric train-car 3P-5 (ER-5) the necessity arises for cold plastic deformation of sheet metal (of the 20 KII (20KP) brand) with subsequent welding. Hardened zones may be affected by heat which may in turn lead to substantial changes in structure and properties. The mechanical tests were performed on a 'ShoneP' ('Shoper') machine with a deformation velocity of 10 mm/min. The specimens were deformed manually on moulds of varying radii (3, 5, 40, 100 mm and  $\infty$ ). The specimens were then flattened out and tested for tensile strength to establish the properties before heating. Other specimens were heated after deformation to tem-  
Card 1/2

Influence of high-temperature ...

S/685/61/000/000/004/004  
D205/D301

peratures of 600, 700, 800, 900, 1000, 1100, 1200 and 1300° for times of 2, 5, 10 minutes in a salt bath, cooled in air and tested for tensile strength. The measured tensile strengths and elongation are plotted vs. the normalization temperature for every deformation radius. At all deformations a sharp maximum of the tensile strengths appeared at a normalization temperature of 900°C. Maximum plasticity was observed in specimens which have been normalized at 1000 - 1100°C. Impact tests were performed on specimens of non-standardized dimensions, and a slight decrease of the impact-resistance (of about 11 %) was noted in the heated specimens compared to that of the unheated deformed samples. Comparing the data of the non-deformed samples with the deformed ones, it is seen that cold-working of 20KP steel increased the tensile strength by 10 - 12 % and decreased the plasticity by 15 - 18 %. Heating of the deformed and non-deformed samples did not affect their relative tensile strengths and plasticity. In welded specimens the plasticity decreased in both deformed and non-deformed states by ca. 50 % compared with the elongation of non-welded specimens, while the tensile strength remained unchanged. There are 5 figures, 4 tables and 10 Soviet-bloc references.

Card 2/2

ACCESSION NR: APL020245

S/0129/64/000/003/0029/0035

AUTHOR: Prosvirin, V. I.; Yevtikhov, G. V.

TITLE: Rapid high-temperature cyaniding by the application of case-hardening pastes and induction heating

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 3, 1964, 23-33, and insert facing p. 40

TOPIC TAGS: case hardening paste, potassium ferrocyanide, carbon, barium carbonate, case hardening, cyaniding, induction heating, high-frequency heating, cyanide hardening, surface hardening

ABSTRACT: The authors investigated the effect of case-hardening mixtures, composed of various amounts of potassium ferrocyanide, carbon, a hydrolyzed ethyl-silicate bond and barium carbonate, in small machine parts. The paste was applied to the degreased surface of 25mm long pure iron and steel specimens with a 16 mm diameter. The specimens were dried for 10-20 min at 20 C and for 60 min at 70 C. Air cooling proved secure adhesion to the surface. The optimal thickness of the coating was 1.5 mm. Induction heating at 1200 C resulted in the formation of a

1/2

ACCESSION NR. AP4020245

0.3 mm thick diffusion layer within 30-35 seconds. Despite a high hardness, the case remained ductile and microcracks were not identified. Corrosion resistance was greatly improved. The distribution of carbon and nitrogen in the diffusion layer was found to depend on the composition of the paste. The carbon contents increased in proportion to an increase of cyanide in the mixture. Microhardness reached a maximum H<sub>v</sub> 1100. Grain coarsening was not observed after a short heating up to 1200 C. Orig. art. has 8 figures and 2 tables.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 31Mar64

ENCL: 00

SUB CODE: ML

NO. REF. SOV: 003

OTHER: 000

Card 2/2

PROSVIRIN, V.I.; YEVTIKHOV, G.V.

Rapid, high-temperature cyaniding by paste and high-frequency current heating. Metalloved. i term. obr. met. no.3:29-33 Mr '64. (MIRA 17:4)

KALUNYANTS, K.A.; KOLOSKOV, S.P.; GOLGER, L.I.; YEVTIKHOV, P.N.

Growing of mold fungi cultures in the SPK steam dryer. Ferm. i spirit.  
prom. 31 no.6:4-5 '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut fermentnoy i  
spiritovoy promyshlennosti.

ACCESSION NR: AP4012454

S/0078/64/009/002/0499/0501

AUTHORS: Yermakov, A. N.; Marov, I. N.; Yevtikova, O. A.

TITLE: Zirconium- and hafnium-complex formations with triacetonitrile

SOURCE: Zhurnal neorg. khim., v. 9, no. 2, 1964, 499-501

TOPIC TAGS: triacetonitrile, zirconium complexes, hafnium complexes, complexones, Zr-Hf complexes,

ABSTRACT: While inorganic complexes of  $Zr^{4+}$  and  $Hf^{4+}$  and their equilibrium and stability constants are known, nothing is known about their complexes with such wide spread substances as complexones. Therefore the authors undertook a study of  $Zr^{4+}$  and  $Hf^{4+}$  complex formation with triacetonitrile (TAN) in a strongly acidic medium and determined the compositions and the equilibrium constants of complex forming. In the tests, the ion exchange method was applied, and cation exchange resin KU-2 was used. Metal concentration ( $Zr^{95+}Nb^{95}$ , HE181) was  $10^{-6}$  mol/l and acidity 1-2 mol/l  $HClO_4$ . TAN concentration varied between  $0.4 \cdot 10^{-4}$  and  $25 \cdot 10^{-4}$  mol/l; and its equilibrium concentration nearly equals the analytical. Tables of

Card 1/2

ACCESSION NR: AP4012454

experimental data were drawn up and corresponding curves plotted. It was found that in 1 and 2 mol solution of  $\text{HClO}_4$ , complexes of 1:1 type are formed. Formation constants of  $\text{HfA}^+$  and  $^4\text{ZrA}^+$  are determined as  $(0.68 \pm 0.03) \cdot 10^4$  and  $(1.2 \pm 0.1) \cdot 10^4$  / 2 mol  $\text{HClO}_4$ ;  $(11.2 \pm 2.0) \cdot 10^4$  and  $(27.4 \pm 2.6) \cdot 10^4$  / 1 mol  $\text{HClO}_4$ , respectively. It was found that in the TAN interaction with  $\text{Zr}^{4+}$  and  $\text{Hf}^{4+}$  ions, three hydrogen ions are liberated. Orig. art. has: 1 Figure, 10 Formulas, 2 Tables.

ASSOCIATION: None

SUBMITTED: 25Jul63

DATE ACQ: 26Feb64

ENCL: 00

SUB CODE: CH

NR REF SOV: 002

OTHER: 003

Card 2/2

DUBOVSKIY, N.V., kand.biolog.nauk; YEVТИSHCHENKO, R.K.

Growth and meat productivity of chicks produced by crossing  
double-purpose breeds. Ptitsvodstvo 9 no.9:13-17 8 '59.  
(MIRA 12:12)

1. Ukrainskaya opytnaya stantsiya ptitsevodstva.  
(Poultry breeding)

YEVTISHINA, T.G., meditsinskaya sestra (g. Makeyevka).

Work of the nurse in the juvenile department. Med. sestra  
22 no. 6:27-28 Je '63. (MIRA 16:9)  
(NURSES AND NURSING)

SKULACHEV, V.P.; DZHUNED, Kh.; BRAYNES, A.S.; Prinimali uchastiye:  
SIVKOVA, V.; PRONINA, T.; YEVTODIYENKO, Yu.; MUKHIN, V.; GOL'DMAN, A.

Oxidation and phosphorylation in mitochondria of the embryonic  
muscle. Biokhimiia 29 no.4:653-661 Jl-Ag '64. (MIRA 18:6)

1. Kafedra biokhimii zhivotnykh Moskovskogo gosudarstvennogo  
universiteta imeni Lomonosova.

VINOGRADOV, A.D.; YEVTODIYENKO, Yu.V.

Simple model of a differential spectrophotometer. Vop. med.  
khim. 11 no.4:99-102 Jl-Ag '65. (MIRA 18:8)

1. Kafedra biokhimii zhivotnykh Moskovskogo gosudarstvennogo  
universiteta imeni M.V. Lomonosova i Kafedra agrokhimii Moskov-  
skoy sel'skokhozyaystvennoy akademii imeni K.A. Timiryazeva.

YEVTO'D'YEV I. N.

"Agrotechnical Evaluation of Cultivator-Steam Purifiers for Use in the Arid Rayons of the Southern Ukraine." Cand Agr Sci, Khar'kov Agricultural Inst imeni V. V. Dokuchayev, Min Higher Education USSR, Khar'kov, 1955. (KL, No8, Feb 55)

SO: Sum No. 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions. (14)

YEVTO'D'YEVA, M. YA.

Yevtod'yeva, M. Ya. "On the medical treatment of aplasia of the thyroid gland with large doses of thyroxin," Sbornik nauch. trudov (Rost. n/D gos. med. in-t), Vol. VIII, 1948, p. 255-58

SO: II-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949

~~YEVTOV'YEVA, M.Ya.~~

~~Tissue therapy of bronchial asthma in children. Vopr. pediat. 19 no.6:  
12-14 1951.~~  
~~(CIML 21:4)~~

~~1. Candidate Medical Sciences. 2. Of the Propedeutic Clinic for Children's Diseases of the Pediatric Faculty of Rostov State Medical Institute (Head--Docent V.S. Shneyderova).~~

YEVTOD'YEVA, M.Ya.; NELINA, T.G.

Result of tissue therapy of epilepsy in children. Vopr. pediat. 20 no.  
1:12-15 Jan-Feb 1952. (CML 22:1)

1. Candidate Medical Sciences for Yevtod'yeva. 2. Of the Clinic for  
Children's Diseases of the Pediatric Faculty, Rostov State Medical  
Institute (Head -- Docent V. S. Shneyderova).

YEVTOV'YEVA, M.Ya.

Results of tissue therapy in certain diseases of the nervous system in children. Zh. nevropat. psichiat., Moskva 52 no.1:43-47 Jan 52.  
(CIML 21:5)

1. Candidate Medical Sciences. 2. Of the Clinic for Children's Diseases (Head--Docent V.S. Shneyderova) of the Pediatrics Faculty, Rostov Medical Institute.

YEVTOP'YEVA, M.Ye., KRAMAROV, O.P.

Photoelectrodermometer, a device for examining skin color.  
Med.prom. 12 no.9:50-53 S'58 (MIRA 11:10)

1. Rostovskiy meditsinskiy institut i Nauchno-issledovatel'skiy  
fiziko-matematicheskiy institut pri Rostovskom-na-Donu gosudarstvennom  
universitete.  
(PHYSIOLOGICAL APPARATUS)  
(COLORIMETERS)

YEVTO'D'YEVA, M. Ya., Doc Med Sci -- (diss) "Bactericidity of skin in childhood growth. (Materials and research)." /Moscow/, 1960. 33 pp; (Ministry of Public Health USSR, Central Inst for Advanced Training of Physicians); 300 copies; price not given; list of author's works on pp 32-33 (17 entries); (KL, 17-60, 166)

YEVTOV YEVA, M.Ya., kand.med.nauk

Apparatus for the uniform sowing of a microbe suspension on a dense  
nutrient medium. Sbor. nauch. rab. po lepr. i derm. no.13:111-114  
'59. (MIRA 14:6)

(BACTERIOLOGY—APPARATUS AND SUPPLIES)

YEVTOD'YEVA, M.Ya., kand.med.nauk

Bactericidal properties of the skin under varying conditions of  
children's diet. Sbor. nauch. rab. po lepr. i derm. no.13;115-119  
'59. (MIRA 14:6)

(SKIN) (CHILDREN—NUTRITION)

YEVTOV'YEVA, M.Ya., kand.med.nauk

Bactericidal properties of the skin in a topographical section.  
Sbor. nauch. rab. po lepr. i derm. no.13:120-128 '59. (MIRA 14:6)  
(SKIN)

1. YEVTROPOV, G. I.
2. USSR (600)
4. Stock and Stockbreeding
7. Livestock records in the "Gigant" Collective Farm's breeding section.  
Sots. zhiv. 14 No. 11, 1952
9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

CH YEVROP' YEV, I.C.I.

23

Composition of the resinous deposits in production of cellulose. S. S. Malevskaya and B. I. Evtrop'eva (V.M. Molotov Technol. Inst., Leningrad). *Zhur. - Priklad. Khim. (J. Applied Chem.)* 24, 551-4 (1951).—The neutral products of pine tar from the sulfite process contain esters and fats. The boiled tar contains 39-42% neutral substances and 81-86% acids. Bleaching with Cl and Ca hypochlorite in the absence of lye leads to but little ester sapon.; alk. treatment continues the sapon., and the neutral substances drop to 28.9%. If bleaching is done in the presence of alkali neutral substances drop to 15% and the acid content rises to 80%.

YEVTROP'YEVA, Ye.I.

23

CA

The composition of the resinous deposits in the production  
of cellulose. S. N. Malyukova and E. A. EVTROP'YEVA  
(Molotov Inst. Technol., Leningrad). *J. Applied Chem.*  
U.S.S.R. 24, 607-10 (1952) (Engl. translation). See *C.A.*  
45, 10373d. B. R.

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R001963020013-6

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R001963020013-6"

16V100R (Rev. 1C.1.)

Preparation of wood cellulose with the aid of organic solvents. II. V. V. Van'kova, S. S. Malevskaya, B. I. Kargin'eva, and B. M. Avrunina (V. M. Molotov Technol. Inst., Leningrad). Zhur. Prilozh. Khim. 21, 335-340 (1981). Neither  $(\text{CH}_3\text{OH})$  nor glycerol in aq. solns. are very effective delignifying solvents (at 110-140°) for wood chips. The same solvents are much more effective in anhyd. condition. However, imino-hydroxy compds. ( $\text{Bu}_2\text{OH}$ ,  $\text{Et}_2\text{OH}$ ) are more effective when mixed with  $\text{H}_2\text{O}$ .  
G. M. Kosolapoff

Chain Organic Chemistry.

YEVTSIKHIYEV, B. E.

N/5  
727.05  
.Y4

Mekhanizatsyya pratsayemkikh rabot na zhyvyelshadowchikh fermakh  
BSSR (Mechanisation of Labor-Consuming Tasks in Livestock Farms  
of the White Russian SSR) Minsk, Dzyarzh. Vydz-va BSSR, 1952.

122 p. Illus., Diagrs., Tables.

At Head of Title: Institut Mekhanizats'ii i Elektryfikatsii Sel'skay  
Haspadarki ANESSR.

YEVTSYUGIN, N.

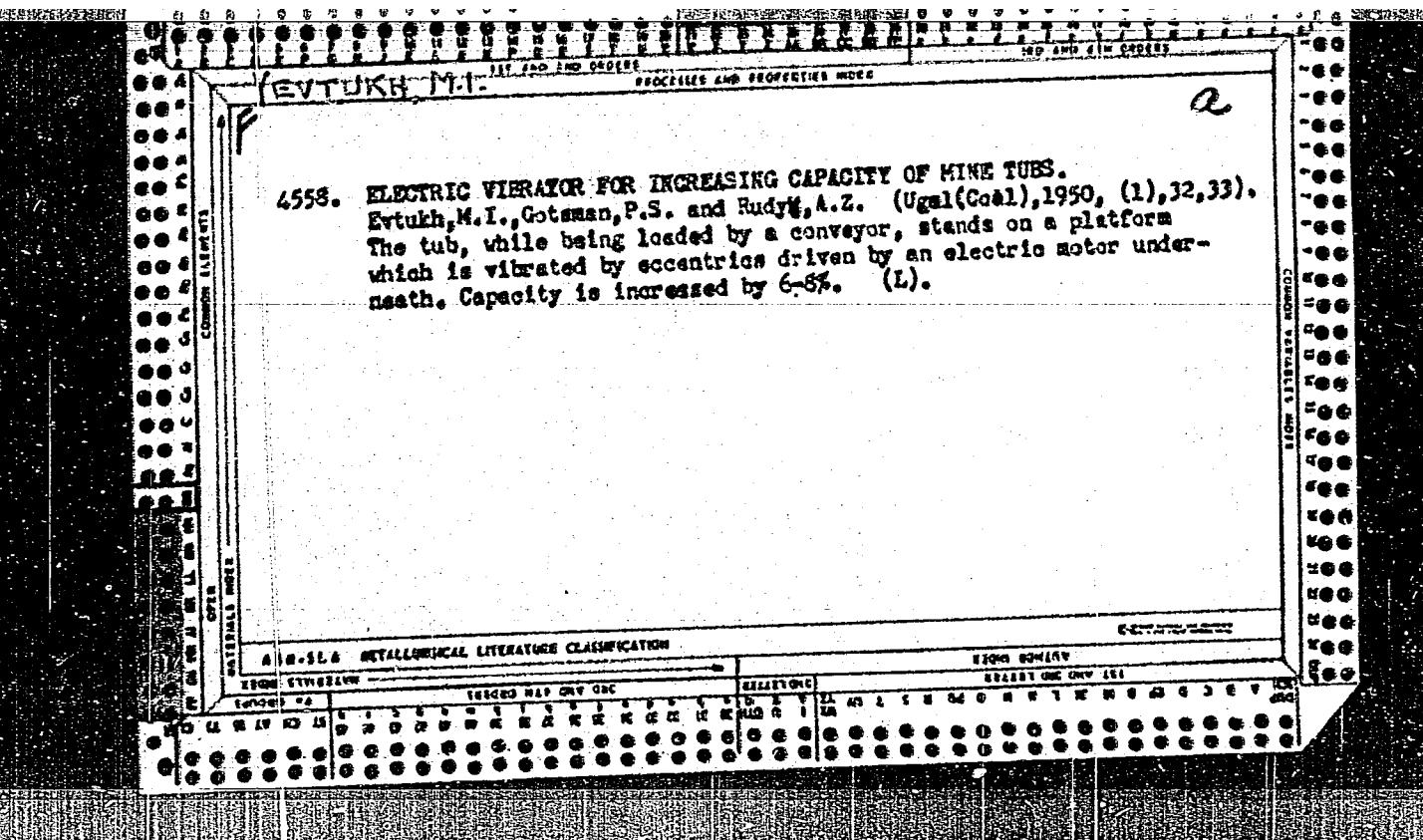
First successes. Okhr. truda i sots. strakh. 6 no.12:14 D '63.  
(MIRA 17:2)

1. Instruktor Sverdlovskogo promyshlennogo oblastnogo soveta  
professional'nykh soyuzov.

Ievtukh, A., prepodavatel'

We train according to the achievements of progressive workers.  
Prof.-tekhn.obr. 19 no.10:17 0 '62. (MIRA 15:11)

1. Lebedeinskoye uchilishche mekhanizatsii sel'skogo khozyaystva  
No.4 Sumskoy oblasti.  
(Farm mechanization--Study and teaching)



MOGILEVSKIY, Isaak Moiseyevich; YEVTEUKH, N.I., inzh., retsenzent;  
PAN'KO, V.I., inzh., red.

[Equipment of fish processing plants] Oborudovanie rybo-  
zavodov. Kiev, Tekhnika, 1964. 117 p. (MIRA 17:11)

BILAN, N.A.; YEVTEKHOV, Yu.G.

The ARKS-1 automatic disconnector of mine contact network.  
Avtom.i prib. no.4:8-10 O-D '62. (MIRA 16:1)

1. Luganskiy filial Instituta avtomatiki Luganskogo soveta  
narodnogo khozyaystva. (Electric switchgear)

YEVYUKHOVA, M.L.; SAYKOVA, V.V.

Changes in the biochemical composition of the blood and urine in  
wound sepsis. Medich.zhur. 17:226-244 '47. (MIRA 11:1)

1. Z Ukrains'kogo institutu klinichnoi meditsini (direktor - akad.  
M.D.Strazhesko) i klinichnogo viddilu Instituta klinichnoi fiziologii  
AN URSS (direktor - akad. O.O.Bogomolets').  
(WOUNDS) (BLOOD--EXAMINATION)  
(URINE--ANALYSIS AND PATHOLOGY)

*Yevtukhova, M.L.*  
SAYKOVA, V.V., doktor; YEVYUKHOVA, M.L., doktor

Changes in the biochemical composition of the blood and urine in  
wound sepsis. Medich.zhur. 17:245-263 '47. (MIRA 11:1)

I. Z Ukrains'kogo institutu klinichnoi meditsini (direktor - akad.  
M.D.Strazhesko)  
(WOUNDS) (BLOOD--EXAMINATION)  
(URINE--ANALYSIS AND PATHOLOGY)

YEVTEUKHOVA, M. L.

STRAZHESKO, Nikolay Dmitriyevich; AYZENBERG, A.A., professor, redaktor;  
YEVTEUKHOVA, M.L., dotsent, redaktor; KAVETSKIY, P.Ye., professor,  
redaktor; LIOZINA, Ye.M., dotsent, redaktor; MIKHAEV, A.I.,  
professor, otvetstvennyy redaktor; PRIMAK, F.Ya., professor,  
redaktor; SAYKOVA, V.V., dotsent, redaktor; CHEBOTAREV, D.F.,  
professor, redaktor; YANOVSKIY, D.N., professor, redaktor;  
SNEZHIN, M. I., redaktor izdatel'stva; RAKHINA, N.P., tekhnicheskiy  
redaktor.

[Selected works] Isbrannye trudy. Kiev, Izd-vo Akademii nauk  
USSR. Vol.1. [Problems in the pathophysiology of the circulation  
of the blood] Problemy patofiziologii krovoobrashcheniya. 1955. 398 p.  
Vol.2. [Problems of sepsis, endocarditis, rheumatism, physiology  
and pathology of the organs of digestion] Problema sepsisa, endokardita,  
revmatizma, fiziologiya i patologiya organov pishchevarenija. 1956.  
365 p.  
(MIRA 9:7)

1. Deyatvitel'nyy chlen AM USSR (for Kavetskiy)  
(PHYSIOLOGY, PATHOLOGICAL)

COUNTRY	:	USSR
CATEGORY	:	Cultivated Plants. Grains, Legumes, Tropical Cereals.
ABS. JOUR.	:	RZhBiol., No. 3, 1959, No. 10919
AUTHOR	:	Kvertukhova, N. L.
INST.	:	Yaroslavl' Agricultural Institute.
TITLE	:	A Study of Corn Varieties.
ORIG. PUB.	:	Tr. Yaroslavsk. s.-kh. in-ta, 1957, 4, 329-331
ABSTRACT	:	A study of 17 varieties and hybrids was started at the Yaroslavl' Agricultural Institute in 1956. When sown on the 29th of May, the male inflorescences appeared on Chishinskaya, No. 1 Gorki Leninskiye, Namchinovskaya and Voronezhskaya '76 between the 21st and 31st of July, and the female inflorescences -- between the 10 and 14th of August. These same varieties gave a higher yield of green roughage with ears. In VIR-42, Moldavanka zheltaya and Minnesota, the male inflorescences appeared in the period
CARD:	1/2	

-30-

COUNTRY	:
CATEGORY	:
ABS. JOUR.	: RZhBiol., No. 1959, No. 10919
AUTHOR	:
INST.	:
TITLE	:
ORIG. PUB.	:
ABSTRACT	: of 29-30 of August and in VIR-156 did not develop at all. In Krasnodarskaya 1/49, Dnepropetrovskaya, Moldovanskaya, oranzhevaya and shelitaya, Ostinskaya belaya zukovidnaya, the filaments on the female inflorescences appeared during the 4th-5th of September. The female inflorescences-spadix of VIR-37, VIR-42, VIR-156 and Krug Groznenskiy did not develop at all. The plants of the late and mid-season maturing varicetas had taller stems than the early maturing ones. -- M. V. Dranishnikov
CARD:	2/2

IEVTUJKHOVA, T.A.; ZARENIN, Yu.G.; MUZYCHUK, V.T.

Method for the realization of the external language of a special-purpose electronic digital computer for the solution of a specific class of logical problems. Avtom. i prib. № 4:26-30  
O-D '63. (MIHA 16:12)

1. Institut avtomatiki Gosplana UkrSSR.

MEVTUKHOVICH, Yu. I. (Voronezh)

Electrical asymmetry in superficial hemangiomas. Klin. med. no.8:  
94-99 '61. (MIRA 15:4)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - prof. A. I. Serzhanin)  
Voronezhskogo meditsinskogo instituta.

(ANGIOMA)

YEREMIN, I.K.; YEVYUKHOVICH, Yu.I.

Results of radiotherapy for malignant tumors in the urinary bladder.  
Trudy Vor. med. inst. 52:99-100 '63.

Results of treating chronic congestive prostatitis in a polyclinic.  
(MIRA 18:3)  
Ibid.:111-113

YEVTU KHOVICH, Yu.I.

Results of grenz-ray therapy of superficial hemangiomas. Trudy  
Vor. med. inst. 52:205-206 '63.

Surgical treatment of superficial hemangiomas. Ibid.:211-214  
(MIRA 18:3)

YEVTSUKHOVICH, Yu.1.; RUBINSHTEYN, M.Ye.

Clinical and anatomic observations of superficial hemangiomas.

Trudy Vor. med. inst. 52:207-209 '63.

(MIRA 18:3)

Yevtushenko, A.

YEVTUSHENKO, A.

The VMGA-EK-2 water and oil heater. Avt.transp. 35 no.11:9  
(MIRA 10:12)  
N '57.  
(Boilers)

YEVETUSHENKO, I.M.

We are building in winter also. Sil'.bud. 9 no.10:7-8 0 '59.  
(MIRA 13:3)

1. Glavnyy inzhener Obukhovskoy mezhholkhoznoy stroitel'noy organi-  
zatsii Kiyevskoy oblasti.  
| (Obukhov District--Building--Cold weather conditions)

YEVUSHENKO, A.F., kand.sel'skokhozyaystvennykh nauk, red.; YESGOROV, V.I.,  
red.; YENIKSYEV, Kh.K., kand.biol.nauk; red.; ZAKHAREVICH, N.I.,  
kand.sel'skokhozyaystvennykh nauk, red.; KOLESNIKOV, V.A., doktor  
sel'skokhozyaystvennykh nauk, red.; METLITSKIY, Z.A., doktor sel'sko-  
khozyaystvennykh nauk, red.; NEGRUL', A.M., doktor sel'skokhozyay-  
stvennykh nauk, red.; YAKOVLEV, P.N., akademik, red.; SAVZDARG, V.E.,  
red.; VESKOVA, Ye.I., tekhn.red.

[Progress in fruit culture; papers read at a jubilee session of the  
All-Union Academy of Agricultural Sciences, commemorating the centenary  
of the birth of I.V. Michurin] Dostizheniya po sadovodstvu; materialy  
iubileinoi sessii Vsesoyuznoi 100-letiiu so dnia rozhde-  
niia I.V. Michurina. Moskva, Gos.izd-vo sel'khoz. lit-ry, 1957. 403 p.  
(MIRA 11:2)

1. Vsesoyuznaya Akademiya sel'skokhozyaystvennykh nauk imeni V.I.  
Lenina.

(Fruit culture)

YEV TUSHENKO, M.F.

KAMSHILOV, N.A.; ANTONOV, M.V.; BAKHAREV, A.N.; BLINOV, L.F.; BORISOGLEBSKII,  
A.D.; GAR, K.A.; GARINA, K.P.; GOBSHIN, P.F.; GUTIYEV, G.T.;  
DELITSINA, A.V.; DUBROVA, P.F.; YEV TUSHENKO, A.F.; YEGOROV, V.I.;  
YEREMENKO, L.L.; YEFIMOV, V.A.; ZHILITSKIY, Ya.Z.; ZHUCHEV, N.G.,  
prof.; ZAYITS, V.K.; ISKOL'DSKAYA, R.B.; KOLESNIKOV, V.A., prof.;  
KOLESNIKOV, Ye.V.; KOSTINA, K.F.; KRUGLOVA, V.A.; LEONT'YEVA, M.N.;  
LESYUK, Ye.A.; MUKHIN, Ye.N.; NAZARYAN, Ye.A.; NEGRUL', A.M., prof.;  
ODITSOV, V.A.; OSTAPENKO, V.I.; PETRUSEVICH, P.S.; PROSTOSERDOV,  
N.N., prof.; RUKAVISHNIKOV, B.I.; RYABOV, I.N.; SABUROV, N.V.;  
SABUROVA, T.N.; SAVZDARG, V.E.; SEMIN, V.S.; SIMONOVA, M.N.;  
SMOLYANINOVA, N.K.; SOBOLEVA, V.P.; TARASENKO, M.T.; FETISOV, G.G.;  
CHIZHOV, S.T.; CHUGUIN, Ya.V., prof.; YAZVITSKIY, M.N.;  
ROSSOSHCHANSKAYA, V.A., red.; BAILOD, A.I., tekhn.red.

[Fruitgrower's dictionary and handbook] Slovar'-spravochnik  
sadovoda. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 639 p.  
(MIRA 11:1)

(Fruit culture--Dictionaries)

YEVETUSHENKO, A.F., kand.sel'skokhozyaystvennykh nauk

Vasilii Vasil'evich Pashkevich; on the centennial of his birthday.  
Biul. VNIICHIISK no.1:212-213 '57. (MIRA 15:5)  
(Pashkevich, Vasilii Vasil'evich, 1857-1957)

Country : USSR

M

Category: Cultivated Plants. Fruit. Berries.

Obs Jour: FZhDiol., No 11, 1958, No 49078

Author : Yevtushenko, A.F.

Inst : Sci. Res. Inst. of Horticulture

Title : Fertilization Methods for Fruit Cultures.

Orig Pub: Udobreniye i urozhay, 1957, No 2, 33-41

Abstract: Experiments carried out by the Scientific Research Institute of Horticulture and by experimental stations (Michurinsk, Urman', Kuybyshev, Kryn, Melitopol', Sochi, etc.) indicate that a very efficient fertilization for gardens consists in the application of 30-40 t/ha manure (once in 2 years) or of organic and mineral fertilizers in a combina-

Card : 1/3

M

Country : USSR

Category: Cultivated Plants. Fruit. Berries.

Abs Jour: RZhBiol., No 11, 1958, No 49078

tion of 20 t/ha manure and 40-60 kg/ha NPK. If only mineral fertilization is applied, an efficient dose of NPK is 90-120 kg/ha. A very important point is the application of the fertilizer in deeper layers, i.e. 20-50 cm. Furrows or ditches, 18-20 cm deep for apple trees and 12-14 cm deep for stone fruit trees, may be used for the application of the fertilizer. Siderates are used in autumn tillage to replenish the organic mass. Side-dressing with N is more efficient during the flowering period and after the ovaries drop in June. If the fruiting is very heavy, June side-dressing with N is recommended. Very efficient is liquid dressing with dung water, fecal matter or poultry dung. Top-

Card : 2/3

M-142

Country : USSR

M

Category: Cultivated Plants. Fruit. Berries.

Abs Jour: RZ Biol., No 11, 1958, No 49078

dressing may be well recommended with the spraying of pest killing substances. An addition of  $N_{20}$  and  $K_x$  to the pest killing chemicals resulted in an augmentation of the Bel'fler Kitaika harvest by more than 30%. -- L.M. Shashkina

Carl : 3/3

LOBANOV, P.; BEEZHNEV, D.; OL'SHANSKIY, M.; LYSENKO, T.; LISAVENKO, M.;  
SINYAGIN, I.; YAKUSHKIN, I.; PREZENT, I.; VARUNTSYAN, I.; KOLESNIKOV,  
V.; YANTOSHENKO, A.; ZASYADNIKOV, T.; ALISOV, M.; UTEKHIN, A.;  
GORSHENOV, I.; BELOKHONOV, I.; VIDENIN, K.; KARPOV, G.; CHERNENKO, S.;  
BAKHAMEV, A.; TIKHOROVA, A.; KUZ'MIN, A.; BUZULIN, G.; TOLMACHEV, I.;  
LYSYUK, Ye.; KHARITONOVA, Ye.; KUSHNIRENKO, M.; NOVOPAVLOVSKAYA, N.;  
ZHIRONKIN, I.; KATSURA, O.; KIRYUKHIN, I.; NIKITIN, B.; TSVETAYEVA, Z.;  
ARKHPOV, B.; OSTAPENKO, V.; IVANOV, V.; BUTUZOV, V.; LUTKOVA, I.;  
TSVETAYEVA, Z.; ARKHPOV, B.; OSTAPENKO, V.; IVANOV, V.; BUTUZOV, V.;  
LUTKOVA, I.

P.N. IAkovlev; obituary. Agrobiologija no.6:119 N-D '57.

(MIRA 10:12)

(IAkovlev, Pavel Nikanorovich, 1898-1957)

YEV'TUSHENKO, A. F.

USSR/Cultivated Plants - Fruits. Berries.

Abstr Jour : Ref Zbir. o. Biol., No 10, 1958, 44278

Author : Yev'tushenko, A.F.

Inst : ~~1~~

Title : Coordination of Scientific Studies on Horticulture,  
Viticulture and on Sub-tropical Culture.

Orig Pub : Vestn. o.-kh. nauki, 1957, No 8, 151-154.

Abstract : No abstract.

Card 1/1

BREZHNEV, D.D., akad., red.; VLASYUK, I.A., akad., red.; GUSHCHIN, M.Yu., kand. sel'khoz. nauk, red.; YEVTSUSHENKO, A.F., kand. sel'khoz. nauk, red.; KATAR'YAN, T.G., kand. biol. nauk, red.; KOLESNIKOV, V.A., doktor sel'khoz. nauk, red.; LAPIN, V.K., kand. biolog. nauk, red.; RYABOV, I.N., kand. sel'khoz. nauk, red.; ZHILYAKOVA, O., red. izd-va; GLIKMAN, N., red. izd-va; ISUPOVA, N., tekhn. red.

[Development of fruit culture and viticulture in the Crimea]  
Razvitiye sadovodstva i vinogradarstva Kryma; trudy plenuma, provedennogo sovmetno s Ukrainskoj akad. sel'skokhozjajstvennykh nauk, 20-24 maia 1958 goda (Simferopol'). Pod obshchei red. D.I.Brezhneva i I.A.Vlasiuka. Simferopol', Krymizdat, 1959.  
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(Crimea--Fruit culture) (Crimea--Viticulture)

S/271/63/000/003/027/049  
A060/A126

AUTHOR:

Yevtushenko, A.F.

TITLE: Operating experience with the experimental electrical simulator  
3MCJY-1 (EMSLU-1)PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya  
tekhnika, no. 3, 1963, 13 - 14, abstract 3B73 (Tr. Rostovsk. inzh.-  
strct. in-ta, 1961, no. 23, 103 - 106)TEXT: The electrical simulator EMSLU-1 developed at the research laboratory of  
PNCH (RISH) is designed for solving systems of algebraic equations with  
an asymmetric matrix satisfying the Gauss-Zeidel convergence conditions, and  
contains an analog grid of fixed impedances. The solution of the system of alge-  
braic equations may be derived into two stages: 1) preparation of the system  
for solution, and 2) setting the problem and the solving. The process of prepa-  
ration consists in reducing the given matrix to a so-called auxiliary matrix.  
An example of solving a system of algebraic equations of the eighth order with a  
grid and without one is given. It is noted that in solving problems with the

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Operating experience with the experimental ....

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impedance grid disconnected, the number of iterations is considerably increased.  
There are 3 references.

A.S.

[Abstracter's note: Complete translation]

Card 2/2

ANDRIYEV, V.P., polkovnik.; BORISOV, D.S., polkovnik.; YEVYUSHEKO, A.F.,  
polkovnik.; ZHELEZNYKH, V.I., dots., kand. tekhn. nauk, general-leytenant  
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general-polkovnik izhenernykh voysk, red.; NAZAROV, K.S., dots.,  
general-polkovnik izhenernykh voysk v ostavke, red.; BADANIN,  
B.V., polkovnik v zapase, red.; BABUSHKIN, K.N., polkovnik, red.;  
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